

Mechanic

MAY 1944

VOL. III NO. 8

MAY 13TH, ENGINEER'S BANQUET STUDENTS AND ALUMNI AT Y.W.C.A.!

ENGINEERS' COUNCIL SPONSORS BANQUET

On May thirteenth the Engineering Alumni and students of the University will gather at the Y.W.C.A. at 614 E St. NW. The Banquet, sponsored by the GWU Engineers' Council, is the climax of the year's student activities. This year it falls shortly before the Final Exam period, which starts on the 14th.

The principal speaker (a story about him will be found at the bottom of this page) is Mr. Ely Hutchinson, consultant to the W.P.B.. He will speak on "Engineers of Tomorrow."

The program, after the chicken dinner, will be started by short introductory speeches by C.H. Marvin, President of the University, and Dean F.M. Felker, Dean of the School of Engineering. The faculty of the Engineering School and the Presidents of the A.S.M.E., A.I.E.E., A.S.C.E., Theta Tau, and Sigma Tau will then be introduced in turn. The Sigma Tau and other Senior Awards will be made at this time, followed by the presentation of Engineers' Council keys by Dean Felker. The last event of the evening will be the talk by Mr. Hutchinson.

An attendance of one hundred students and alumni is expected, and the cost is \$2.00 a place (there will be no tax).

SEVENTEENTH Annual Engineers' Banquet

Sponsored by

The George Washington University
ENGINEERS' COUNCIL and ALUMNI ASSOCIATION

Y.W.C.A.

614 E Street Northwest

SATURDAY EVENING, MAY 13, 1944

6:30 O'CLOCK

\$2.00 (Tax Exempt)

RESERVATIONS BY 7 P.M. FRIDAY, MAY 12

CALL National 5200 EXTENSION 252

Due to war-time difficulties, it will be necessary for us to know by Saturday morning exactly how many people to expect, so that all those who have not actually purchased a ticket will have to call National 5200, ext. 252, on the 11th or 12th of May, between the hours of 9 AM and 7 PM. It will not be possible to accommodate any who have not either made reservations or purchased a ticket by the night of Friday, May 12.

BANQUETS STARTED BACK IN 1929

Once again the Engineers are looking forward to the Annual Engineers' Banquet. The Banquet has become so much a part of the Engineering School that many take it for granted. It does not seem amiss, then, to go back to the beginning of these affairs. Before the several student branch engineering societies were established on the campus the Engineers belonged to one group called the Engineering Society. This organization held annual banquets, but when the different student branches began, the Engineering Society broke up and the annual banquet suffered for the lack of sponsorship.

However, in 1929, two students, Clarence Bruce, who is now with the Bureau of Standards and has been a past president of the Washington Society of Automotive Engineers, and James Fox, who is now with the Navy Dept. and has been past chairman of the Washington Section of the American Society of Mechanical Engineers, were very much interested in engineering activities and particularly in the Engineers' Banquet. After sounding out student opinion, they approached our late Dean Lapham and it was agreed to have an Engineers' Banquet under the auspices of the three student branches. So in 1929 the first

(Cont. on page three)

ENGINEER, MR. ELY HUTCHINSON TO SPEAK MAY 13

Mr. Ely C. Hutchinson, the widely known Mechanical and Hydraulic engineer will address the Engineers' Banquet on May thirteenth. His subject will be "Engineers of Tomorrow."

Mr. Hutchinson is a Fellow of the American Society of Mechanical Engineers and has been its Vice-President. He has had a wide experience in his field, both in Engineering Sales and Management, having been President of a number of organizations including Pelton Water Wheel Company, and the Higemore Iron Company.

His professional experience has included association with the J.B. White Engineering Corporation, and for five



years he was editor of "Power" magazine. At present he is on leave from the J.B. White Corporation, as consultant with the War Production Board. He has been representative of Mechanical Engineering in many conferences on hydraulics, including the Second World Power conference in Berlin, and has acted as Secretary of the United States National Committee Technical Section on Hydraulics. He is a member also of the National Advisory Board of the Hydraulic Laboratory in the Bureau of Standards, and of the American Society of Civil Engineers.

His topic is of especial interest to us, and we are fortunate to have such a well-qualified speaker.

Mecheleci

MAY 1944

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DOLLARS AND DINKS

This is the first issue of the MECH-ELCIV ever to be printed by a professional process. If you have an old copy available, dig it out and notice the difference.

If nothing more, this issue is a symbol of things to come. Someday, perhaps in the not too distant future, the MECH-ELCIV will come out regularly in this form. It is too hasty this day that this editorial is written.

First, let's talk dollars; that is always a major consideration in any Engineering problem. Boiled down, the problem is simply this:

1. For a misographed MECH-ELCIV of six sheets—\$8 per 1,000 copies.
2. For an offset-printed MECH-ELCIV (such as this issue), bearing equivalent space of nine misographed sheets (four printed pages)—\$25 per 1,000 copies.
3. Cost of an offset-printed MECH-ELCIV per year—\$300.

The major "dollars" problem is to raise a sum of \$300 per year.

Now that we have talked dollars, let's talk sense. The advantages of an offset-printed MECH-ELCIV are:

1. Appearance. If you have compared this issue with a previous one, no more need be said.
2. Flexibility. The multigra process permits use of photographs, advertising, cartoons, etc., which gives the MECH-ELCIV a more professional appearance.
3. Added prestige to the School of Engineering. May other Engineering schools, some smaller than GWU, publish their own newspapers or periodicals; a few of these are sent to this paper, and many schools send complimentary copies to executives of industry. Such a program, besides being good advertising, helps make a graduate get his first job.
4. Help build a strong united Alumni Association, which is sorely needed. The MECH-ELCIV has, when space permitted, published an "Alumni Notes" column, dedicated to the happenings and whereabouts of the Alumni body. The MECH-ELCIV has in the past been mailed to approximately 100 Alumni, from whom have come some very favorable comments. This issue, because of the banquet, is being mailed to 750 Alumni. The MECH-ELCIV can be of great aid to the

(Cont. in next column)

ENGINEERS and PEOPLE

GEORGE A. GUNNY, JR....born on New Year's Day, 1920...his mother complained that he was the cause of a poor New Year's Eve, for her; she was all set to go to a party when George came...Phila., or, to be more exact, Upper Darby, Pa. is claimed to be his birthplace...he fought his way through Upper Darby High and finally graduated in '38 with a very high standing...undecided what to do, so he worked for a while, then went to Temple U. and Drexel Institute before finally settling on Engineering...entered GWU Engineering School as a day student in Sept. 1940...continued full-time until June of '41, when he took a job as a Draftsman at the Navy Yard...worked there for 3 months, then saw more opportunities with the Coast and Geodetic Survey...started with the Division of Geomagnetism and Seismology as a scientific aid, worked up to Assistant Mathematician...decided to complete education in day school in Jan. '44, is now enrolled as a full-time student...George comes from a family of Civil Engineers; both father and elder brother are Penn State (not State Pen) graduates and he hopes to follow in their footsteps...has four brothers, one sister, and a very young niece...his hobbies are about the same as most Engineers': Wine, Women, and Song (does a very poor job of the last), swimming and canoeing...George is a member of Theta Tau, the American Society of Civil Engineers (Student), I.A.M.E. the American Geographical Union, and the Washington Canoe Club...he is present Agent of Theta Tau, and past Scribe.

KEES FLESH: Dirk Brady blew into town April 26th, was married April 29th...the girl is Toni Ziff...quick work, Dirk!

Alumni Association by serving as a focal and distribution point for Alumni news.

Now back to the problem of raising \$300 per year. This can be done in three ways:

1. Tax each student enrolled in the Engineering School one dollar per year, in addition to the registration fee. This would be somewhat difficult since it would require a change in University policy.
2. By a direct grant from the University, which is unwise since it would put the MECH-ELCIV under University and Student Council financial control.
3. By voluntary contributions from the students and Alumni of the Engineering School. This is probably the best method of raising funds in this case. Is it too much to ask the Alumni to make a small contribution to help the prestige of their Alma Mater?

It is not the purpose of this editorial to solicit funds (although such will be very cheerfully accepted), but to start the students and Alumni thinking about pulling together for a bigger and better MECH-ELCIV.

The MECH-ELCIV would appreciate hearing comments from all those interested.

The DEAN'S COLUMN

LOOKED AHEAD FIVE YEARS
SCHOOL OF ENGINEERING

As this is written on April 27th, only two things are certain: one, that the government agency dealing with the



defeatment of technical men in all categories—engineering, medicine, and science—are in a state of confusion; two, the George Washington University proposes to be flying the flag of the School of Engineering.

Because no students under 26 years of age may any longer be deferred, the future student body, on a basis of present Selective Service rules, is determined by the number of freshman students entering at the ages of sixteen or seventeen, and by the number who will be able to finish from one to one and one-half years of work toward a degree, and by the part-time students occupationally deferred in government positions. In respect to the latter group, the School of Engineering of the George Washington University has an opportunity for service not available to many institutions. In addition to the two categories listed above there are, of course, returning soldiers and young men physically unable to pass the rigid army and navy tests.

For two years, both full-time day students and part-time students engaged in government work have been able to quicken the time of their graduation by the setting-up of an extra term in the year. This accelerated plan has the effect of shortening the time for graduation by three normal semesters. Under this plan we graduated some thirty men in Engineering last year, and will graduate approximately the same number this year. Whether the accelerated program will be continued is still undecided and rests in part on the determination of the total number of students who may be eligible for courses during the summer term of 1944. In any event, courses for both full-time and part-time men will be available beginning in the Fall term. It is probable that certain of the basic engineering courses common to all degrees will be carried for the summer term.

Meanwhile, in the War Training Courses, which are sponsored by the United States Office of Education under the supervision of the School of Engineering, we continue to enroll approximately 2,000 every fifteen weeks. These courses are short, intensive, highly specialized, and are given in response to specific demands from government agencies.

While the war has completely disorganized student attendance, it has brought to the fore the essential character of the training at the George Washington University, and we have re-

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ME and You

Allan B. Ensign

A delegation of M.E.'s went over to Johns Hopkins on April 21st to attend the Regional Student Conference. In going, they made the top M.E. news of the month. Representing George Washington was Loye Tarbell, the winner in the Chapter's contest last month. Other schools competing were Johns Hopkins, Duke, Maryland, and Catholic Universities. The all-day convention began when the first paper was presented at 10 AM. Tarbell was the second speaker, his subject—Gas Turbines. The contest ended at 3 PM, with the prizes to be awarded at the evening banquet. Following the contest, all those attending were taken on a conducted tour through the Johns Hopkins Laboratories, and were shown their array of mechanical and electrical laboratory equipment, and parts of the physics-chemistry laboratories. Several demonstrations of old and new equipment added much to the tour. Of particular interest was the experimental work being done on aircraft heating systems. Following the tour, the banquet was scheduled on the program, at which time the results of the contest were announced. The winner of the Old Guard Prize of \$50, "George Washington University of Washington, D.C."

Dick Brady is back on dry land for a while... Ben Cruickshanks, in the Air Corps, is now in Italy... a letter came in the other day from Pat Hunter, saying that he was on board a Liberty Ship 60 miles off the East Coast.

The evening of Saturday, May 15th is the day set for the Annual Engineers' Banquet. This is always a red-letter day on the Engineers' calendar, so, with a promise of good food, a good program, and a good time, it is a date to be kept.

Congratulations to the graduating M.E.'s, and the best of luck to all those answering the bugle call.

Short Circuits

Bill T. Andrews

Elections, elections—at last they're over and the Engineers have to find something else to argue about—say, are you a Republican? But now the Engineers must decide what EE to put on the Student Council, and after all the talk about University elections, this had better be a well-planned school election, not just an Engineers' Council appointment.

Hear dem bells! Oh, hear dem bells! Well, with May just around the corner, the EE's are thinking of finals, graduation, the service, and the girl to leave behind. It seems by the scuttlebutt that

is figuring on paying out 10 bucks in bets to and for answering the wedding bells sometime in June before Uncle Sam grabs him. Barry Harrison also is one of those boys who can't wait to get married after finals. George Conrad and Nick Toffolo say that women mean nothing to them; they have lab reports to hand in. Oh yeah.

Sam EE's have just seen 2nd Lt. Wilbur See back, fit as a fiddle after his basic training, and Whit Beaton after his too thrilling ride in a submarine. But quite a few of the EE's are jumping out of the frying pan into the fire after graduation. It just seems a degree isn't such a one-way ticket for a commission after all, but a guide to better ditch-digging.

And so we leave the little town of Oyster-on-the-Half-Shell, situated too close to draft boards and with a 1-A population, as it goes to meet the battle of the finals. Hello, Radio!

Appreciation should be given to the Dean's secretary, Miss Madigan, for her great help to all the Draft Dodgers, and the Dodgers should win the pennant this year, too, there's a lot of them.

Am. Soc. C.E.

George A. Kilpatrick

The April meeting of the A.S.C.E. did not turn out as announced, because the speaker of the evening, an Army officer was forced to cancel his talk at the last minute. However, Ralph E. Rahmann, one of our new instructors, very generously came on our rescue and showed us a movie illustrating the dangers of cross-connections and interconnections in residences and apartment dwellings. The meeting—our poorest attended of the entire school year—was brightened by the presence of Lt. George Strollo, who was enjoying a brief leave from his duties in the Navy.

We met a Civil Engineering student the other day who, when the name of Prof. Hitchcock was mentioned, said that he had never even seen the Professor. We, who know him so well, find much a thing hard to believe, but it must be that the Professor is staying too close to his war training courses. Therefore, Prof. Hitchcock, we suggest that you visit with us occasionally so that the new men among us may meet you and enjoy the richness of your presence.

Looking back over the past year, there are a few things upon which we would like to comment.

First of all, we are glad to note that O.E.'s are now becoming prominent in Sigma Tau, Theta Tau, and the other organizations around school.

Secondly, we have been impressed by the various joint meetings held by the Engineering societies, and believe that a genuine feeling of cooperation and mutual understanding develops from such meetings. However, we think that in the future these meetings should be planned by a committee representing all the societies, and have a speaker and subject of interest to all concerned.

Finally, we would like to pay tribute to Prof. Carl Walther for his loyalty to the Civil Engineering school. Prof. Walther is the sole remaining member of the original full-time staff.

And now, in closing, we would like to salute our graduating senior—W. Stanley Machan. Stan has been very active in the extra-curricular affairs of the Engineering School, has rated high in his studies, and is a fine fellow. Congratulations, Stan, and the best of luck to you. We will miss you.

HISTORY
(Cont. from page one)

affair was held. Its popularity is attested to by the successful annual banquets that followed.

As time went on, the banquet grew in scope. Not only was it a gathering together of students, faculty, and alumni but it came to be a culmination of all student engineering effort. Awards were presented for service to the school and for scholarship. The year was reviewed and a plan for the coming year was outlined. So a great tradition was founded, one that will continue as long as the Engineering School exists.



THE DEAN'S COLUMN (Cont. from page two)

ceived many letters congratulating us on the service rendered, both in our credit courses and in our War Training courses. It is probable also that surplus equipment will become available during the next twelve months, with which we shall be able to strengthen our laboratories greatly. Very considerable equipment has already been added during the past two years.

There remain in the faculty four full-time members: Professors Akers, Cruickshanks, Walther, and Trumbull, with Professor Hitchcock acting as director of the War Training Courses. Professors Aselt, Cook, Munis, Johnsons, Koster and Strolle are serving in various capacities with the military or civilian government departments, on war leave from the University. We are able to continue our educational service to our students because of our ability to employ excellent part-time instructors from the technical staffs of the various government agencies. In our two programs we have between 85 to 90 part-time instructors attached to the School of Engineering.

While the immediate future is obscured by lack of consistent policy in Selective Service, the future of the School of Engineering, as a part of an enlarged George Washington University, is very real.

As a member of the Committee on Post-War Planning of the Washington Board of Trade, I am acquainted with the basic fact that the population of the metropolitan area, including the District of Columbia, will be between 1,400,000 and 1,500,000 in 1950. Educational demands on all institutions in the country will be extraordinary in the immediate post-war years, and here at George Washington University we will, unless all signs fail, have a phenomenal growth.

We enter the year ahead, therefore, with very definite plans for expansion and enlargement of our facilities, and we hope with the cooperation of our alumni, our student body, and our faculty, to meet the needs of the time.

Sigma Tau Nick Toffolo

We'd like to announce to those who were unable to attend our initiation banquet and birthday celebration that we now have five new Brothers in the active chapter. They are Edward Habib, Girard Jetton, William Kelsey, Irvine Shalovits, and James Skiles. The banquet was, all things considered, well attended, and it was heartening to see the alumni turnout.

We had some very interesting remarks from the new men. Habib spoke on "Pleco-Electricity," Jetton on "The Engineer's Need of a Social Life" (the pro's and con's of this were thoroughly discussed), Kelsey on "Ground Techs" (anchors to you) and especially the new type anchors developed for landing craft. He also passed around models of anchors. Shalovits on the "Selective Service Status of the Engineering Student," or, as one gathered from his talk, the Engineering Student vs. the pre-horse doctor. Skiles told of the mythical Engineer "Ben Hill," a most remarkable character. President Ballard informed us that Brother John Jackson is now at sea, and that Brother Beaton says life on a submarine can be very boring.

Many of us will be leaving school this semester, and we do not have many opportunities to meet as a body before the semester ends. Let's all make a special effort for a 100% attendance at our remaining meetings. We think the married Brothers ought to be able to stall their wives off once in a while.

Added note: The next time Helms gets up we're going to make him say more than two words before he sits down.

Theta Tau Alfred Barauck

It looks as if there's going to be a few more stars—17, to be exact—added to our service flag. The line-up of seventeen 1-4's gives us plenty to worry about, although there will be a few of us remaining who will be able to throw those famous round-robin letters. Though Jimmy Pastoriza is not in the armed services, he nevertheless was a recipient of one of the aforementioned letters written during the last meeting.

The big news at our last meeting was the elections, from which only three actives absented themselves. Brother Cunney now answers to Brother Bagent, Brother Kilpatrick stops at the bellow of Brother Vice-Bagent, and Brother Holcomb will be the only one who remembers previous meetings, for he's now Brother Scribe. Brother Ritter replaces Brother Gemma as Marshal. We have a fine set of men; let's all put our shoulders to the wheel. Congratulations and good luck, fellows.

Our seventeen prospective service men were bid farewell to at a party on the 29th day of April, at the S&H house. The affair was drag.

The happy look on Brother Horne's face is due to his preparations for entering the Army; to wit—he's quit his job at the War Department.

Brother Holcomb is apartment (not room) hunting. His future better-half sports a sister pin.

Brother Pida went to a lot of trouble writing up those 3 X 5 cards which he distributed at the last meeting. Let's all see that his efforts have not been in vain.

Apparently the proposed sharing of a house has fallen through. Can it be that every Brother has a place to live here in Washington? What has happened to the Washington housing shortage?

SCHOOL DAZE

"You're taking that wall home with you!"

"Yeah, it's got all my phone numbers on it."

"Why don't you just take the phone numbers of the wall?"

"I can't; they're written in ink."

Every man's ambition is to marry a good cook, a skillful housekeeper and a devoted wife, declares a writer. Yes, men are naturally polygamous.

The Houghton Line

Little Red Riding Hood was lucky—she only met one wolf! The Line

The fellow who brags of his open mind may only have it vacant. The Line

Country girl: My Paw's the best shot in this country.
City Slicker: And what does that make me?
Country girl: My fiancée.

ENGINEER'S
BRANCH
AT THE WJCA.
7th & E, N.W.
MAY 13TH
SPEAKER—ELY HUTCHINSON
HYDRAULICS AUTHORITY

KEEP OFF
THAT'S PITCHHEAD, HE USED TO WORK FOR METRO-GOLDWYN-MAYER